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ABSTRACT

This module is intended to assist secondary school instructors in selecting and evaluating courseware related to the health occupations education curriculum. The main section contains descriptions of 20 pieces of courseware. Each entry includes the following information: title, description, audience, vendor, price, and recommendation. A glossary and bibliography are also provided. Appendixes contain a product/price list of available videodisk hardware, schematics of three different levels of interactivity, and a courseware evaluation sheet. (MN)

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Interactive Laser Video Disc



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Margaret Gayle, Associate Director, Division of Vocational Education, State Department of Public Instruction, Raleigh, North Carolina

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John Smylie, Ph. D., President of Smylie Educational Enterprises, Charlotte, North Carolina (Representative of Health EduTech, Inc.)

Scott Alan Stewart, Editor and Publisher of Medical Disc Reporter, STEWART PUBLISHING, INC., Alexandria, Virginia

Ted Summey, East Carolina University, Greenville, North Carolina

Phillip H. Yarborough, Vice President, Sales and Marketing, Professional Training Systems, Inc., Atlanta, Georgia

INTRODUCTION

A major goal of the project "Computerized/Interactive Video in Health Care," was to identify and to select software and the necessary hardware for effective use in the secondary Health Occupations Education curriculum. The funding of this project was a \$10,000 grant sponsored by the North Carolina State Department of Public Instruction.

Many of the courseware programs previewed were geared to a professional or more advanced audience than to entry-level medical personnel. It is recommended that selections be made carefully due to the costs involved.

A good reference for individuals who are not familiar with interactive videodisc systems is Videodiscs in Healthcare - A Complete Guide by Scott Alan Stewart. This resource is available through STEWART PUBLISHING, INC., 6471 Merritt Court, Alexandria, VA 22312. Additional resources are available through catalogs, journals, vendors, computer centers, and workshops. The Minnesota Educational Computing Corporation (MECC) is the educator's best source for identifying interactive videodisc courseware.

Request vendors to provide a demonstration before purchases are made. This allows the user to operate the courseware, review the materials, and evaluate as to the appropriateness to curriculum. If the demonstration cannot be done on-site, preview fees may be required due to the expense of the materials. Request an educational discount when purchasing.

There is a wide range of quality that one may encounter until standards are further established. Check for errors, quality in graphics, color, size of printed text, amount of information on screen, etc. In some instances, you need to "think like a student" and try to view materials from their vantage point.

The evaluation process should involve a team of individuals: students, advisory board members (representing various health professions), media specialists, faculty, and other staff members. Explore the content of materials that is possible through branching. Purposely make some incorrect responses in order to see how the program handles the feedback.

Many of the programs present a format which offers information and then allows questions (usually true-false or multiple choice) before proceeding to the next segment. In some instances, a review is offered before advancing in the program.

One of the most difficult problems encountered in the selection of materials is incompatibility. **Not all videodisc courseware will operate with all videodisc hardware.** Some companies require different types of equipment pieces such as a control card, keypad, cartridge, or keyboard machine in addition to the monitor and videodisc player. Vendor and manufacturer representatives should be the primary source for determining compatibility of various system components.

Several alternate strategies are available rather than purchasing materials: some companies allow leasing of courseware while others provide a "library" to which one can subscribe on an annual basis at a greatly reduced price as compared to purchase. Sharing of materials or cost of purchase may be possible through hospitals, health departments, or other health community agencies. Within the educational realm, purchases may be considered for an entire school system or region, however this approach does offer some obvious disadvantages.

At the present time, the military is a strong user of Interactive Video materials. Much of their training is done through simulations that include realistic time factors, sights, and sounds! Even more sophisticated techniques include interviews which respond to voice recognition commands; this is presently being used in some medical schools and universities for training purposes.

Other projects are currently underway, one which will involve a networking of information involving many of the nation's medical centers and universities. Basically this approach will provide a pooling of knowledge and resources on topics which include, but are not limited to, the following: pathology, ophthalmology, dermatology, pharmacology, oncology, pediatrics, geriatric care, genetics, arthritis, psychiatry, human physiology, etc. Duke University of Durham, North Carolina, is one of the participating universities.

This module is designed to assist instructors in selecting and evaluating courseware that is related to the Health Occupations Education curriculum. Many new and exciting adventures are here and on the horizon. Hopefully, this material will serve as a guide in your selection process.

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COURSEWARE DESCRIPTIONS

NOTE: *Vendor listing below should not be taken as a recommendation for any particular vendor. Other vendors may be able to supply the same materials; these vendors were contacted in this project.*

* Denotes items previewed.

* **TITLE: "AIDS - AN EDUCATIONAL PROGRAM"**

DESCRIPTION: *AIDS - An Educational Program* provides essential facts about AIDS and how to avoid contracting the disease. The topics include a definition, symptoms, diagnosis, treatment, transmission, complications, and lifestyle changes. Symptoms of ARC (AIDS Related Complex) are also identified.

AUDIENCE: General adult and young adults (16 years and older).

VENDOR: Health EduTech

PRICE: \$995.00

RECOMMENDATION: Recommend. This program is appropriate to all levels of HOE curriculum. Due to the rapid changes in this area, this purchase should be carefully considered.

* **TITLE: "STD: SEXUALLY TRANSMITTED DISEASES INFORMATION PROGRAM"**

DESCRIPTION: *STD: Sexually Transmitted Diseases Information Program* provides the facts about the eight most common sexually transmitted diseases including herpes, syphilis, vaginitis, gonorrhea, chlamydia, genital warts, hepatitis , and AIDS. Topics include the definition, symptoms, diagnosis, treatment, transmission, complications, and prevention.

AUDIENCE: General adult and young adults (16 years and older).

VENDOR: Health EduTech

PRICE: \$1,895.00 (two sides)

RECOMMENDATION: Recommend. This program would be a valuable asset to the HOE I curriculum on Reproductive Disorders.

* TITLE: "BACK SAFETY"

DESCRIPTION: *Back Safety* provides information about how the back works and how to prevent injuries. The program explains a "slipped disc"; five good habits of posture related to sitting, standing, and sleeping; nine techniques to use while lifting; as well as types of exercise.

AUDIENCE: Health care professionals, paraprofessionals, and support personnel.

VENDOR: Health EduTech

PRICE: Back Safety may be purchased separately for \$1,035.00 or as a part of the Health Care Orientation Series for \$3,690.00.

RECOMMENDATION: Recommend. This material includes competencies which relate the HOE I curriculum for Basic Sciences: Musculo-skeletal System, Nervous System. The program further relates to Body Mechanics and would be an aid in teaching positioning and transportation to the second level student.

* TITLE: "ELECTRICAL SAFETY"

DESCRIPTION: *Electrical Safety* provides the essential information on electrical safety in the health care facility. Topics include: hospital electrical systems, dangers, grounding, patient vicinity, and emergency procedures.

AUDIENCE: Health care professionals, paraprofessionals, and support personnel.

VENDOR: Health EduTech

PRICE: Electrical Safety can be purchased separately for \$1,030.00 or as a part of the Health Care Orientation Series for \$3,690.00.

RECOMMENDATION: Recommend with reservation. This program would be appropriate under the Health Occupations Education II curriculum on Safety, however it would not be cost feasible for this purpose alone. Perhaps it could be shared with a hospital in-service program.

• TITLE: "INFECTION CONTROL"

DESCRIPTION: *Infection Control* provides information about how to control the spread of infections in a hospital. Special attention is given to understanding the chain of infection, how infections are transmitted, isolating infection, and preventing infections from spreading in all areas of the hospital. The program includes methods to prevent and maintain control of nosocomial infections in a hospital environment.

AUDIENCE: Health care professionals, paraprofessionals, and support personnel.

VENDOR: Health EduTech

PRICE: Infection Control is available separately for \$1,030.00 or as a part of the Health Care Orientation Series for \$3,690.00.

RECOMMENDATION: Recommend. This program would be appropriate to all levels of HOE curriculum. Medical asepsis (handwashing) is demonstrated. Various types of microorganisms are identified which would be an additional resource for HOE I Basic Sciences: Microorganisms and HOE II - Assistant Health Care Skills II: Antimicrobial controls.

• TITLE: "FIRE SAFETY"

DESCRIPTION: *Fire Safety* provides information regarding fire safety in the health care facility. Topics include: a definition of fire, causes of hospital fires, levels of protection, what to do in case of a fire, how to fight a fire, and how to prevent a fire.

AUDIENCE: Health care professionals, paraprofessionals, and support personnel.

VENDOR: Health EduTech

PRICE: Fire Safety can be purchased separately for \$1,030.00 or as a part of the Health Care Orientation Series for \$3,690.00.

RECOMMENDATION: Recommend with reservation. This program would be appropriate under the HOE II curriculum on Environmental Management, however it would not be cost feasible for this purpose alone. Perhaps it could be shared with a hospital in-service program.

• TITLE: "HEALTH CARE ORIENTATION SERIES"

DESCRIPTION: The *Health Care Orientation Series* is designed to introduce the user to back safety, electrical safety, fire safety, and infection control. Each program discusses prevention as well as accident procedures.

AUDIENCE: Health care professionals, paraprofessionals, and support personnel.

VENDOR: Health EduTech

PRICE: \$3,690.00 (4 discs)

RECOMMENDATION: Recommend with reservation. Back Safety and Infection Control are more appropriate to the Health Occupations Education curriculum than the entire series; these courses can be purchased individually or collectively. The content and presentation meets the educational requirements of JCAH (Joint Commission on Accreditation of Hospitals).

• TITLE: "HEALTH HAZARDS IN THE WORKPLACE"

DESCRIPTION: *Health Hazards in the Workplace* provides employers with a cost-effective way to train and retrain employees about job-related health hazards and ways to avoid injury in the workplace. Employee groups addressed: Administration, Maintenance/Engineering, Food Service, Housekeeping/Custodial, Lab, Laundry, Office/Clerical, Operating Room, Patient Care Professionals, Radiation, and Central Sterile Supply.

AUDIENCE: Health care employees.

VENDOR: Health EduTech

PRICE: \$1,990.00

RECOMMENDATION: Not previewed.

TITLE: "SIGHT THROUGH SOUND"

DESCRIPTION: *Sight Through Sound* teaches the proper use of ultrasound and interpretation of sonograms.

AUDIENCE: Medical personnel.

VENDOR: W. B. Saunders Company

PRICE: \$495.00

RECOMMENDATION: Requested, not previewed.

* TITLE: "MOTOR MENTATIONS: DISORDERS OF NERVOUS SYSTEM"

DESCRIPTION: *Motor Mentations: Disorders of Nervous System* includes motor signs, disorders, and reflexes of the Nervous System.

AUDIENCE: Health professional students.

VENDOR: The Health Sciences Center for Educational Resources

PRICE: \$175.00

RECOMMENDATION: Not appropriate to HOE curriculum. (Lacked audio.)

TITLE: "INCREDIBLE HUMAN MACHINE" (National Geographic)

DESCRIPTION: *Incredible Human Machine* develops an appreciation of the human body.

AUDIENCE: Elementary to Adult.

VENDOR: Pioneer Videodisc Dealer

PRICE: \$35.00

TITLE: "LIVING TEXTBOOK - LIFE SCIENCE"

DESCRIPTION: *Living Textbook - Life Science* includes the science of biology, cell dynamics and DNA synthesis.

AUDIENCE: Elementary-Secondary

VENDOR: Optical Data Corporation

PRICE: \$1,800.00 (6 laserdiscs)

*** TITLE: "STERILE TECHNIQUES AT THE BEDSIDE"**

DESCRIPTION: *Sterile Techniques at the Bedside* demonstrates correct procedures for changing dressings while maintaining sterile conditions.

AUDIENCE: Nursing students at educational and health care institutions.

SPONSOR/PRODUCER: Alberta Vocational Centre, Alberta, Canada

VENDOR: Applied Interactive Technologies, Inc.

PRICE: \$750.00

RECOMMENDATION: Not recommended since Health Occupations Education students are not permitted to perform sterile procedures.

TITLE: "URINARY CATHETERIZATION"

DESCRIPTION: *Urinary Catheterization* provides the necessary steps to correctly perform the procedure for urinary catheterization.

AUDIENCE: Nursing students and health care professionals

SPONSOR/PRODUCER: Alberta Vocational Centre, Alberta, Canada

VENDOR: Applied Interactive Technologies, Inc.

PRICE: \$750.00

RECOMMENDATION: Not recommended since Health Occupation Education students are not permitted to perform sterile procedures.

TITLE: "LEARNING SYSTEM CPR PROGRAM"

DESCRIPTION: *Learning System CPR Program* provides CPR training based on lectures, practice and testing.

AUDIENCE: Medical and paramedical professionals, lay persons.

SPONSOR: American Heart Association, Dallas, Texas

VENDOR: Actronics, Inc.

PRICE: Available as a hardware/software package for \$22,000.00.

RECOMMENDATION: Not previewed.

* **TITLE: "INTERVENTION IN CHILD ABUSE AND NEGLECT"**

DESCRIPTION: *Intervention in Child Abuse and Neglect* provides insight into different types of physical and emotional abuse as well as symptoms, interpretation and assessment skills.

AUDIENCE: Health care and social service professionals.

SPONSOR: Children's Medical Services Program, Department of Health and Rehabilitative Services, Tallahassee, Florida

VENDOR: Applied Interactive Technologies, Inc.

PRICE: \$850.00 (May be leased for \$100.00 per month)

RECOMMENDATION: Advanced for secondary students.

* **TITLE: "INTERVENING WITH GRIEVING CLIENTS AND FAMILIES" (5 case studies)**

DESCRIPTION: *Intervening with Grieving Clients and Families* provides recognition to the stages of grieving, teaches intervention skills, and strategies associated with chronic and terminal illness

AUDIENCE: Nurses and other health professionals.

SPONSOR: Children's Medical Services Program, Department of Health and Rehabilitative Services, Tallahassee, Florida

VENDOR: Applied Interactive Technologies, Inc.

PRICE: \$750.00

RECOMMENDATION: Recommend with reservation. Program level is advanced for entry-level students.

TITLE: **"THINKING ABOUT DRINKING"**

DESCRIPTION: *Thinking About Drinking* communicates rules about drinking in a game format.

AUDIENCE: Junior high students to adults.

SPONSOR: Health Education Council of the United Kingdom

VENDOR:

PRICE:

RECOMMENDATION: Requested, not previewed due to incompatibility.

* TITLE: **"UNDERSTANDING AGING" (1988)**

DESCRIPTION: *Understanding Aging* provides insight on patterns of aging. The program includes information on physical, mental, social, and financial aspects.

AUDIENCE: Geriatric workers, students, family and friends of older persons, and older persons themselves.

VENDOR: Professional Training Systems, Inc.

PRICE: \$1,500.00 (2 sides)

RECOMMENDATION: Recommend. With the percentage of our population growing in this segment (of society), there is a need to expand awareness of the aging issue. Material is appropriate to HOE curriculum in assisting to prepare students for work in nursing homes, geriatric centers, and other health care facilities.

* **TITLE: "CARE BASICS FOR NURSING ASSISTANTS"**

DESCRIPTION: *Care Basics for Nursing Assistants* includes the following topics: long-term care environment; human relations and communication skills; legal and ethical issues (Patient Bill of Rights); observation, reporting and recording; infection control; fire safety and accident prevention; and body mechanics, transfer, and ambulation.

AUDIENCE: Training program for entry-level nursing assistants

VENDOR: Professional Training Systems, Inc.

PRICE: \$1,500.00 (2 sides)

RECOMMENDATION: Recommend. This program is an overview of much of the HOE curriculum. Of the above topics, the following areas are especially related to one or more levels of the HOE curriculum: personal traits of health care workers (professionalism), confidentiality, chain-of-command; verbal and non-verbal communications (body language), recording messages; observation skills (S.O.A.P.); negligence and other legal aspects; admissions process; handwashing techniques, direct and indirect contact, handling of linens; ambulation and wheelchair transportation; safety and emergency fire plans.

GLOSSARY

AIT: Applied Interactive Technologies, Inc.

ARTIFICIAL INTELLIGENCE: Process in which a computer (microprocessor) learns from its mistakes making better choices as more learning takes place; simulating human beings.

AUTHORING SYSTEM: An application program used to edit, format, compile and present instructional software.

BAR CODE: Block of parallel lines which may be "read" and sent as information to a computer.

BRANCHING: Instructional capability of jumping from one area to different programs in response to different answers.

CAI: Computer Assisted Instruction.

CBI: Computer Based Instruction.

CD-I: Compact Disc-Interactive.

CD-ROM: Compact Disc-Read Only Memory.

CDV: Compact Disc-Video.

CMI: Computer Managed Instruction. (No teacher required.)

CVD: Compact Video Disc.

COURSEWARE: Instructional software comprised of lessons, program logic, and a presentation program.

DELIVERY SYSTEM: A hardware/software configuration able to run instructional software. Different authoring systems specify different operating systems, I/O devices, memory, and storage capacity.

DVI: Digital Video Interactive.

FRAME: A single picture or image.

HEALTH EDUTECH: Company's primary focus is in three areas: Health, Education, and Technology.

H.I.S.: Hospital Information System.

INFO WINDOW: Interactive video system from IBM which allows the user to touch the screen to interact.

INTERACTION: Dialogue between courseware and student. Courseware poses questions, analyzes, stores answers, and presents feedback within a framework of branching instructions.

INTERFACE: Link between two pieces of equipment.

I/O: Input, Output.

KEYPAD: A hand-held device which contains numbers and letter keys used as a control unit.

KIOSK: A stand alone display usually located in public access areas.

LASER: Light Amplification by Stimulation of Emission of Radiation. Laser is used to read microscopic pits which contain coded material.

LEVELS OF INTERACTIVITY: Refers to the degree of computer involvement in videodisc presentation.

Level I: No computer involvement. Generally a linear format.

Level II: No computer involvement. User is able to make simple decisions using touch screen, light pens, etc. No record keeping is generally done.

Level III: Computer involvement utilizing record keeping and a significant degree of branching based on student input.

Level IV: Computer involvement involving all of Level III capability but in addition utilizing artificial intelligence.

LIGHT PEN: Small, input device used to interact with a program by touching the screen or monitor with a pen.

LINEAR: A program meant to be played from beginning to end without input or interruption.

MECC: Minnesota Educational Computing Corporation is an organization established in 1973 to assist Minnesota schools in implementing educational computing.

MENU: Listing of available options.

OPTICAL DISC: Any disc format which uses a light source, usually a laser, to read and write information.

PRESENTATION: Output of instructional software on a delivery system.

PROGRAMMING LANGUAGE: Input used by programmers to communicate instructions to a computer.

RANDOM ACCESS: A method of storing information so it can be accessed in any order.

RGB: A type of color output to a computer display consisting of red, green, and blue signals.

SEARCH: Ability to locate a specific frame or information.

SIMULATION: Portrayal or representation of a situation or device with some degree of realism.

STEP FRAME: A function which allows movement from one frame to another, forward or backward.

TIME: Technological Innovations Medical Education (University of Oklahoma voice recognition project).

TOUCH SCREEN: A screen which acts as an input device to a computer with the touch of a finger or light pen.

VIDEODISC FORMATS:

REFLECTIVE OPTICAL VIDEODISC: Videodisc contains information imbedded as pits or holes in surface which reflect light into mirror and into decoder.

TRANSMISSIVE OPTICAL VIDEODISC: Laser is allowed to pass through the disc to the decoder.

CAPACITIVE ELECTRONIC DISC (CED): Grooved videodisc that requires needle or stylus to read information.

VIDEO HIGH DENSITY (VHD): Grooveless videodisc that uses a broad stylus to pick up data.

VOICE RECOGNITION: Technology which allows programs to be controlled by voice commands.

WORM: Write Once, Read Many (times). Technology which allows utilization of laser disc for massive computer storage. Especially useful in hospital record maintenance.

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- "Videodisc Development - IBM Healthcare Videodisc Project," *Medical Disc Reporter*, Vol. 4, No. 3, 6, May/June, 1988.
- "Videodisc Technology," *Technology Alert*, North Carolina State Department of Public Instruction, Issue I, November, 1987.

APPENDIXES

REFERENCES

Actronics, Inc.
810 River Avenue
Pittsburgh, PA 15212
(412) 231-6200

Applied Interactive Technologies, Inc.
P. O. Box 55845
Jackson, MS 39208
(800) 334-4077

Alberta Vocational Centre
332 Sixth Avenue, SE
Calgary, ALB T2G 4S6 CANADA

American Technology Resources
1245 North Providence Road
Media, PA 19063
(215) 565-6434

Children's Medical Service Program
Building 5, Room 140-B
1311 Winewood Blvd.
Tallahassee, FL 32301
(904) 487-2690

Health EduTech, Inc.
7801 East Bush Lake Road
Minneapolis, MN 55435
(612) 831-0445

Interactive Video Concepts, Inc.
The Wilford Bldg., Suite 105
101 North 33rd Street
Philadelphia, PA 19104
(215) 387-0707

Medical Disc Reporter
6471 Merritt Court
Alexandria, VA 22312
(703) 354-8155

Naval Medical Command, NCR
Naval Health Services
Education and Training Command
Bethesda, MD 20814

Pioneer Elec-Industrial Sales
Director Technical Support
P. O. Box 22711
Long Beach, CA 90801-5711

Professional Training Systems, Inc.
400 Colony Square, Suite 1525
1201 Peachtree Street, NE
Atlanta, GA 30361
(404) 872-9700

Smylie Educational Enterprises
P. O. Box 37333
Charlotte, NC 28237-7333
(704) 366-0019

Sony Corporation of America
Marketing Manager
Sony Drive
Park Ridge, NJ 07656
(201) 930-1000

Stewart Publishing, Inc.
6471 Merritt Court
Alexandria, VA 22312
(703) 354-8155

Times Mirror Company
780 Third Avenue
New York, NY 10017

Videodisc Monitor
P. O. Box 26
Falls Church, VA 22205

Laser VideoDisc Hardware & Where to Find Information

The Player: Prices for videodisc players depend upon the special features, as well as how advanced the player is (Level I, Level II, Level III, or Level IV).

The technical details are too great to cover in this paper; therefore, the following list of information resources is provided so that a more complete investigation can be made.

Pioneer Electronic (USA) Incorporated
P.O. Box 1540
Long Beach, CA 90801
1-800-421-1404

Sony Videodisc Sales
Representative in Maryland (301) 577-4850

Almost any software developer can provide information on players and monitors necessary to operate their program.

Price Range and Configuration Examples

• LEVEL I

<u>Quantity</u>	<u>Description</u>	<u>Price</u>
1	Videodisc player	\$500-\$1500
1	Video monitor or TV	\$200- \$800
*	Necessary cables	usually no charge

• LEVEL II

<u>Quantity</u>	<u>Description</u>	<u>Price</u>
1	Videodisc player capable of Level II playback	\$1200-\$1500
1	Video monitor or TV	\$200-\$800
*	Necessary cables	usually no charge

• LEVEL III

<u>Quantity</u>	<u>Description</u>	<u>Price</u>
1	Videodisc player capable of Level III playback	\$500-\$1500
1	Video monitor or TV	\$200-\$800
*	Necessary cables from software manufacturer or	\$70-\$150
	Videodisc player card set/interface	\$400-\$1500
1	Personal computer (software usually dictates IBM compatible or occasionally Apple) No monitor is needed	\$900-\$1400

* See appendixes

* Cable type interfaces are replacing interface cards

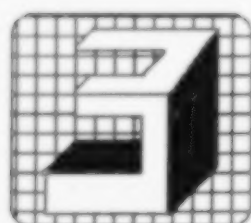
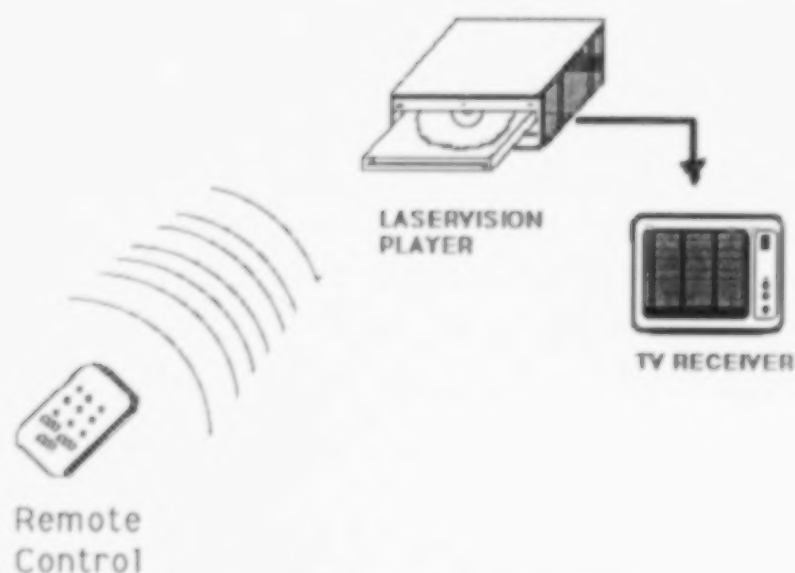
Taken from information compiled by Ted Summey, East Carolina University, Greenville, NC, 1987.

Health Occupations Education



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Level I Interactivity



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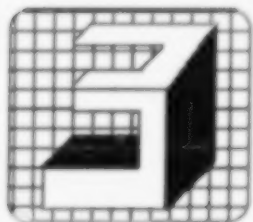
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Health Occupations Education

Level II

Interactivity

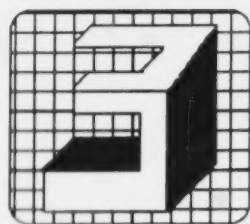
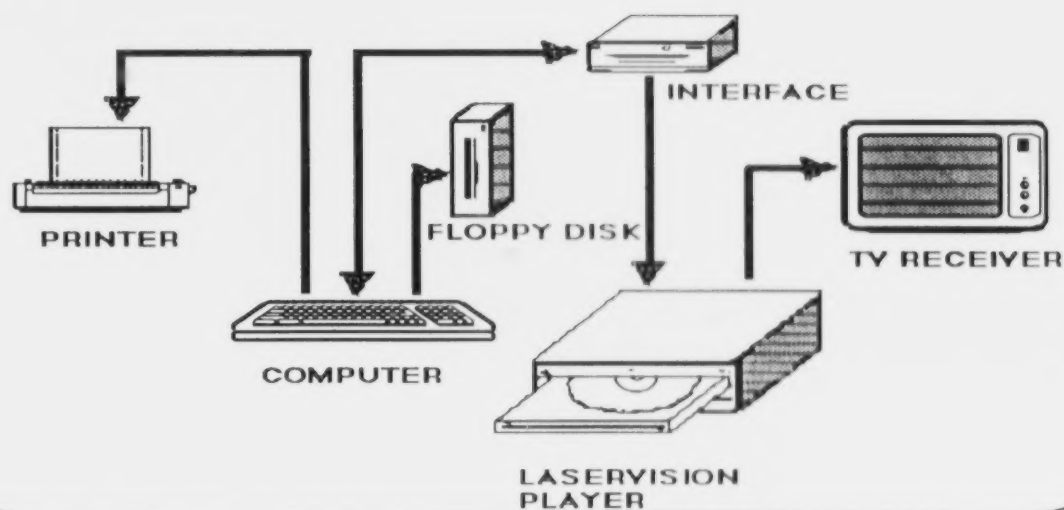


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Health Occupations Education



Health Occupations Education **LEVEL III INTERACTIVITY**



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CAI EVALUATION

Title: _____ Producer: _____
Subject: _____ Copyright: _____

TECHNICAL INFORMATION

MODE: What is the instructional mode? Check one or more: tutorial____;
drill and practice____; simulation____; problem solving____; game____.

PACING: How do users control speed of presentation? Check as appropriate:
spacebar/return/enter____; set by teacher____; set by student____; no
control____; other____, describe_____

HELP: How do users receive help if they do not know an answer? Program
automatically provides: tutorial____; review____; hint____. Students can
request help segment____. Students are instructed to call teacher before
proceeding____. No help offered____.

FEEDBACK: What kind of response do students receive for correct answers?

What kind of response do students receive for incorrect answers?

RANDOMIZATION: To what extent does the program vary for repeat users? Are
exercises repeated exactly, are items rearranged, or is new material generated?

BRANCHING: How does the program vary the questions or problems in response to
student input? (Does the program present more difficult questions after a
series of correct answers? Does the program send students to a tutorial segment
after an incorrect answer? Does the program send students to an easier level of
work?)

RECORDKEEPING: Describe recordkeeping available for students.

Describe recordkeeping available for teachers.

What records can be printed?

SCREEN IMAGES: Describe in terms of size of text, complexity, and clarity.

SOUND: Describe accompanying sound noting quality, variety, and adjustability.

CONTENT INFORMATION

CONTENT: Summarize the content and objectives of the total package.

DOCUMENTATION: Describe information contained in the guide and other support materials. Which of the following does it include? Check as appropriate: objectives____; equipment operation____; example of contents____; suggestions for use____; grade level____. .

What are the strengths and/or weaknesses of the guide and ancillary materials?

STRENGTHS: Describe specific characteristics or features of the program which make it an appropriate instructional tool (e.g. successful instructional strategies, unique motivational techniques, etc.).

WEAKNESSES: Describe technical and/or instructional weaknesses and errors specifying where they occur.

USES: Explain how a teacher would best integrate this program into an existing curriculum or how the program could enrich or simplify instruction. (PLEASE GIVE CONCRETE SUGGESTIONS.) Discuss any special background information or preparation necessary for students to use the program.

Check one: Recommended____ Recommended with Reservations____ Not Recommended____
**(If Recommended with Reservations or Not Recommended explain why.)

COMPETENCY GOALS: Which competency goals does this program support? (Example: Grade 4: Goal 3d--write a fraction in lowest terms; Grade 5: Goal 3a--write fractions in lowest terms.)

PROGRAM SCOPE: K 1 2 3 4 5 6 7 8 9 10 11 12. Remedial. Teacher use only.

PRIORITY: If you were making a list of programs to purchase, circle the priority of this program on a scale of 1 to 5 (with 5 as the highest priority).

1 2 3 4 5

To my knowledge no attempt has been made to copy this program_____
(Signature of Evaluator)

Date_____